

PATENT

REMARKS

Applicants appreciate the thorough examination of the application that is reflected in the Office Action dated April 15, 2004. Applicants amend claim 16 to correct antecedent basis problems thereby rendering moot the rejection of claim 16 under 35 U.S.C. 112, 2nd para.

Claims 1-5, 8-10, 13, 15, 16-19, 22-23, 27, 28-31, 34-35, 37 and 38 are pending in the application. Reconsideration of the application is respectfully requested.

Art-based Rejections

The Official Action rejects claims 1 and 38 under 35 U.S.C. 102(e) as allegedly being anticipated by the Hsu et al. publication (US 2003/0054807) (hereinafter "Hsu"), rejects claims 1-3, 5, 15-17, 19, 27-29, 31, 37 and 38 under 35 U.S.C. 103(a) as being unpatentable over the Sato et al. publication (WO 01/80590 A1) (hereinafter "Sato") in view of Hsu, and rejects claims 4, 8-10 and 13, 18, 22, 23, 30, 34 and 35 under 35 U.S.C. 103(a) as being unpatentable over Sato further in view of Hsu and Chang et al. (U.S. Patent Publication 2004/0102967).

Applicants respectfully traverse these rejections for at least the following reasons.

Claims 1, 16, 28 and 38

Claim 1 relates to a method in a wireless communication system that supports a broadcast service. This method comprises:

- providing a BCMCS ID to identify the broadcast service, wherein an IP multicast address and UDP port number are associated with said BCMCS ID;
- sending the BCMCS ID to a base station;
- configuring a broadcast service parameters message at the base station that includes the BCMCS ID;
- transmitting the broadcast service parameters message to a mobile station; and
- using the BCMCS ID in the broadcast service parameters message at the mobile station to determine availability of the broadcast service in an adjacent sector.

In rejecting claim 1, the Office cites ¶160 of the Hsu reference. Paragraphs 0058 through 0060 of Hsu state:

[0058] FIG. 4 illustrates a message sequence diagram, shown generally at 102, of an embodiment of the present invention. The message sequence diagram

PATENT

represents MBS set up and monitoring that is performed pursuant to an embodiment of the present invention.

[0059] First, and as indicated by the segment 104, a primary service instance, designated by the segment 104, is initiated by the mobile station. Segments 106, 108, and 112 are representative of MBS setup procedures, here a header compression, an RTSP exchange, and security signaling, respectively. The primary service instant initiation request generated by the mobile station is also generally considered to form part of the MBS setup.

[0060] Then, and as indicated by the segment 114, a broadcast service parameter message, is generated, here by the base station controller/packet control function 22 and sent to the mobile station. The message includes one or more of the common service parameters and channel-specific parameters. Thereafter, and as indicated by the segments 116, multibroadcast service traffic is effectuated between the data server 32 and the mobile station 12. RTP/UDP/IP header compression is here further shown to be utilized. (Emphasis added.)

Applicants acknowledge that the general concept of "RTP/UDP/IP header compression," is known. However, Applicants respectfully submit that Hsu fails to teach or suggest, for example, "providing a BCMCS ID to identify the broadcast service, wherein an IP multicast address and UDP port number are associated with said BCMCS ID," as recited in claim 1. Rather, the "broadcast service parameter message" of Hsu is not a BCMCS_ID since there is no indication in Hsu that the "broadcast service parameter message" is used to identify a broadcast service, as recited in claim 1. Moreover, the Hsu reference does not hint at the fact that "an IP multicast address and UDP port number are associated with said BCMCS ID," as recited in claim 1, but instead merely establishes that the general concept of utilizing "RTP/UDP/IP header compression" is known.

As discussed at paragraphs 1067 and 1068 of the specification, associating the BCMCS_ID with an IP multicast address and UDP port number can allow a mobile station to obtain the BCMCS_ID, IP multicast address, and UDP port number of a broadcast/multicast service via an out-of-band mechanism. The MS may obtain the mapping between the BCMCS_ID and the physical channel parameters via IS-2000 Layer-3 signaling. Using a BCMCS_ID with these associations avoids a layering violation that occurs when IP addresses and port numbers (or text-based service names in the IS-2000 Layer-3 signaling) are used to

PATENT

associate a broadcast/multicast service and physical channel parameters. Using a BCMCS_ID with these associations may also decrease signaling overhead by eliminating up to 10 bytes required to identify a service by its source/destination addresses and port numbers, or eliminating a large number of bytes that may be required to identify a service by its text-based service name.

Accordingly, Applicants submit that nothing in the Hsu reference suggests "providing a BCMCS ID to identify the broadcast service, wherein an IP multicast address and UDP port number are associated with said BCMCS ID," as required by claim .

Applicants further submit that the other cited references are similarly deficient.

Thus, Applicants respectfully submits that the cited references fail to teach or suggest at least the above recitations of claim 1. Accordingly, Applicants respectfully submits that claim 1 is patentable over the cited references. In addition, Applicants respectfully submits that dependent claims 2-5, 8-10, 13, and 15 are separately patentable at least by virtue of their dependency from independent claim 1, and also because those claims include features that are neither taught nor suggested by the cited references.

Applicants further submits that independent claims 16, 28, and 38 are patentable for at least the same reasons, and that dependent claims 16-19, 22-23, 27; and 28-31, 34-35, 37-38 are patentable at least by virtue of their dependency from independent claims 16 and 28, respectively.

PATENT

REQUEST FOR ALLOWANCE

In view of the foregoing, Applicant submits that all pending claims in the application are patentable. Accordingly, reconsideration and allowance of this application are earnestly solicited. Should any issues remain unresolved, the Examiner is encouraged to telephone the undersigned at the number provided below.

Respectfully submitted,

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